

IN THE CLAIMS:

Delete claims 1-9 and replace them with the following claims:

10. (New) A hydroxylapatite metal composite material, wherein the composite material is comprised of a metal network.
11. (New) The hydroxylapatite metal composite material according to claim 10, wherein the metal is a precious metal or a precious metal mixture.
12. (New) The hydroxylapatite metal composite material according to claim 11, wherein the precious metal is silver or gold.
13. (New) The hydroxylapatite metal composite material according to claim 10, wherein the metal is titanium.
14. (New) A method of producing a hydroxylapatite metal composite material, the method comprising constructing the composite material as a metal network, initially preparing a mixture of powdery hydroxylapatite and powdery metal, prepressing the mixture into a green compact, and sintering the green compact at a pressure of 1.4 to 7.7 GPa and a temperature of 500 to 900 °C.

15. (New) The method according to claim 14, comprising sintering the green compacts for 1 to 3 minutes.
16. (New) The hydroxylapatite metal composite material according to claim 10, wherein the material is adapted for use as an implant.
17. (New) The hydroxylapatite metal composite material according to claim 16, wherein the implant is a dental implant.
18. (New) The hydroxylapatite metal composite material according to claim 16, wherein the implant is a bone implant.